



*Optimal Solutions for the Future*

# PUMA ST10GS



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**Excellent for  
continuous  
precision machining**

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**PUMA ST10GS**

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ver. EN 160218 SU



## Basic structure

PUMA ST10GS excellent for continuous precising is suitable for processing small parts having diameters between  $\varnothing 3 \sim \varnothing 8 \text{ mm}$ .

## High performance based on compact size

### PUMA ST10GS

Max. Machining center

**$\varnothing 10 \text{ mm}$  ( $\varnothing 0.4 \text{ inch}$ )**

Max. Machining Diameter

Main **12000 r/min**

Sub **10000 r/min**

Machine dimensions (length x width)

**1929 x 910 mm**  
(75.9 x 35.8 inch)



## Travel

Rapid traverse rate (all axes)

**35 m/min (1378.0 ipm)**

Travel distance

X1 / Y / Z1

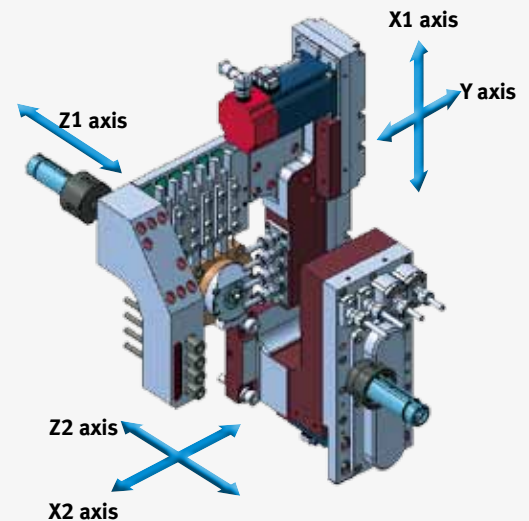
**91/176/120 mm**

(2.9 / 6.9 / 4.7 inch)

X2 / Z2

**187/190 mm**

(7.4 / 7.5 inch)



## Tool

Front machining

- ① Turning tool 6ea  
10 x 10 x 110 mm (0.4 x 0.4 x 4.3 inch)
- ② Cross tool 4ea (ERM 11)
- ③ Sleeve holder 4ea (ERM 11)

Back machining

- ④ Fixed 2 / Rotation 2

\* Slotting tool is available on the back tool side.





## DOOSAN FANUC i

FANUC CNC optimized for DOOSAN's machine tools maximizes users' productivity.

## User-Friendly Operation Panel



## Easy Operation Package

Easier and simpler screens are continuously being developed for preprocess setup, machine check-ups, cutting, and other operations.

## User convenience software functionality

Short-cut buttons on the operation panel for user convenience



### Preparation for Operation: Machine check-up and pre-setting



Displays the conditions of the machine and the interface to the peripheral equipment.

### Cycle Setting Function



A screen where the user conducts basic setups for machine operation within the cycle set. A screen where the user conducts basic setups for machine operation within the cycle set.

### Tool Life Management Function



The usage info of each tool is counted for easier management of tools. Tool life can be managed with this function without additional hardware.

### Auto Cut-off Function



Using a hot key, the operator can cut off work piece without using extra macro or programming. Reduced setup time leads to reduced preparation time.



## Major Specifications

### PUMA ST10GS



Description			UNIT	PUMA ST10GS
Machining Capacity	Max. Machining diameter		mm (inch)	Ø10 (Ø0.4)
Spindle	Main	Max. spindle speed	r/min	12000
		Max. power (30min/cont.)	kW (Hp)	3.7 / 2.2 (5.0 / 3.0)
	Sub	Max. spindle speed	r/min	10000
		Max. power (30min/cont.)	kW (Hp)	1.1 / 0.55 (1.5 / 0.7)
Tool post	No. of mountable tools (Max)		ea	22
	Front machining	Turning tool	ea	6
		Sleeve holder	ea	4
		Cross tool	ea	4
	Back machining	fixed or rotation	ea	fixed 2 / rotation 2
Travel	Rapid traverse rate		m/min (ipm)	35 (1378.0)
Control	CNC system		-	DOOSAN FANUC i



## Doosan Machine Tools

<http://www.doosanmachinetools.com>

[www.facebook.com/doosanmachinetools](https://www.facebook.com/doosanmachinetools)

### Optimal Solutions for the Future

#### Head Office

Doosan Tower 20th FL., 275, Jangchungdan-Ro (St), Jung-Gu, Seoul  
Tel +82-2-3398-8693 / 8671  
Fax +82-2-3398-8699

#### Doosan Infracore America Corp.

19A Chapin Rd., Pine Brook, NJ 07058, U.S.A.  
Tel +1-973-618-2500  
Fax +1-973-618-2501

#### Doosan Infracore Germany GmbH

Emdener Strasse 24, D-41540 Dormagen, Germany  
Tel +49-2133-5067-100  
Fax +49-2133-5067-001

#### Doosan Infracore Yantai Co., LTD

13 Building, 140 Tianlin Road, Xuhui District, Shanghai, China (200233)  
Tel +86-21-6440-3384 (808, 805)  
Fax +86-21-6440-3389

#### Doosan Infracore Construction Equipment India Pvt. Ltd. (Machine Tool Div.)

106 / 10-11-12, Amruthahalli, Byatarayanapura, Bellary road, Bangalore-560 092, India  
Tel +91-80-4266-0122 / 121 / 100

#### Doosan International South East Asia Pte Ltd.

42 Benoi Road, Jurong 629903, Singapore  
Tel +65-6499-0200  
Fax +65-6861-3459



\* For more details, please contact Doosan.

\* The specifications and information above-mentioned may be changed without prior notice.